

## CLAIMS

1. Packaging for foodstuffs to be offered for sale, comprising:
  - an integral receptacle having on its top side a mouth opening and on its underside a bottom with an upright body connecting thereto and having at least one flat body part;
  - which mouth opening is bounded by a mouth rim which lies substantially in a flat plane and which, after filling of the receptacle with foodstuff and optionally a chosen gas or gas mixture, can co-act in hermetically sealing manner with a lid, for instance a foil connected by sealing to the mouth rim;
  - a generally flat displaceable part which forms part of the bottom, the body part or the lid and acts as displacer, which part is connected to the remaining peripheral part of respectively the bottom, the body part or the lid by an at least one-dimensionally elastically deformable coupling edge; and
  - optionally a filling with a gas serving as protective atmosphere, for instance a mixture of CO<sub>2</sub> and N<sub>2</sub> or CO<sub>2</sub> and O<sub>2</sub>;
- characterized in that
  - the displaceable part has a generally rectangular shape corresponding with the shape of said remaining part of the bottom, the body or the lid;
  - the surface area of the displaceable part amounts to at least 50% of the total surface area of the bottom, the body or the lid;
  - the displaceable part substantially has bending stiffness;
  - an elastically deformable zone is situated in each of the four corner zones of the coupling edge and over the whole periphery of the displaceable part; this such that the displaceable part is movable between a first position displaced to the outside and a second position displaced to the inside.
2. Packaging as claimed in claim 1,

- characterized in that  
the displaceable part is situated in the bottom and  
that in the first position the receptacle can rest on  
the displaceable part of the bottom and in the second  
5 position can rest on the bottom edge.
3. Packaging as claimed in claim 1,  
characterized in that  
the deformable zone consists at least in said  
corner zones of at least two hinge lines.
- 10 4. Packaging as claimed in claim 1,  
characterized in that  
the deformable zone comprises a rolling zone.
5. Packaging as claimed in claim 3,  
characterized in that
- 15 6. Packaging as claimed in claim 3,  
characterized in that  
the hinge lines are corrugations protruding out of  
the local main plane of the receptacle.
7. Packaging as claimed in claim 1,  
characterized in that  
the hinge lines are zones with reduced thicknesses.
- 20 8. Packaging as claimed in claim 3,  
characterized in that  
the receptacle consists of plastic.
9. Packaging as claimed in claim 3,  
characterized in that
- 25 10. Packaging as claimed in claim 1,  
characterized in that  
the receptacle is manufactured by thermoforming or  
vacuum-forming, for instance from a laminate.
11. Packaging as claimed in claim 1,  
characterized in that
- 30 12. Packaging as claimed in claim 8,  
characterized in that  
both the first position and the second position of  
the displaceable part are stable, and the configuration  
35 thus possesses a bistable character.
13. Packaging as claimed in claim 1,  
characterized in that  
the receptacle consists substantially of foam  
material.
- 40 14. Packaging as claimed in claim 8,  
characterized in that

the receptacle is formed from a strip of foam material.

13. Packaging as claimed in claim 12,  
characterized in that

5 the strip of foam material is manufactured by  
extrusion and optional sizing.

14. Packaging as claimed in claim 13,  
characterized in that

10 by a laminating operation following the extrusion  
there is arranged on at least one side a foil layer, for  
instance an oxygen-barrier foil.

15. Packaging as claimed in claim 12,  
characterized in that

15 the strip of foam material is not fully foamed and  
that by supplying heat to the mould cavity of a die an  
additional foaming occurs, whereby a desired, for  
instance uniform wall thickness can be obtained.

20 16. Packaging as claimed in claim 6,  
characterized in that

the hinge lines are formed by ribs present in the  
mould cavities of a die.

25 17. Packaging as claimed in claim 16,  
characterized in that

the ribs are situated on a releasable insert which  
25 has to be positioned in the mould cavity of the die.

18. Packaging as claimed in claim 11,  
characterized in that

30 the hinge lines are formed by pressing against a  
formed receptacle an optionally heated stamp having ribs  
corresponding with the hinge lines.

19. Packaging as claimed in claim 1,  
characterized in that

the receptacle is formed from a blank consisting  
substantially of cardboard.

35 20. Packaging as claimed in claim 19,  
characterized in that

the blank is provided with a foil, for instance an  
oxygen-barrier foil, on at least the side of the blank  
later forming the inside of the receptacle.

40 21. Packaging as claimed in claim 19,  
characterized in that

the receptacle is formed from the blank by a mould with a forming surface and corresponding stamp.

22. Packaging as claimed in claim 19,  
characterized in that

5 the receptacle is formed by first removing the four corner zones from the blank and subsequently folding the walls upward and adhering these walls sealingly to each other in mutually overlapping relation.

10 23. Packaging as claimed in claims 20 and 22,  
characterized in that

the blank is provided on both sides with a foil,  
and the sealing adhesion is brought about by a welding  
operation.

15 24. Packaging as claimed in claim 19,  
characterized in that

the receptacle is formed by placing a paper fibre  
pulp in a mould cavity corresponding with the receptacle  
and causing it to dry, optionally under pressure and/or  
with heating.

20 25. Packaging as claimed in claim 1,  
characterized in that

the receptacle consists of aluminium, for instance  
with a thickness in the order of magnitude of 60 µm.

25 26. Packaging as claimed in claim 1,  
characterized in that

the packaging is intended for potatoes and/or fish  
or products based thereon, that the gas mixture contains  
CO<sub>2</sub> and N<sub>2</sub> and that the ratio of these gas components  
amounts to 70:30, preferably 80:20 and still more  
30 preferably 90:10.

27. Packaging as claimed in claim 1,  
characterized in that

the packaging is intended for meat or products  
based thereon, that the gas mixture contains CO<sub>2</sub> and O<sub>2</sub>,  
35 and that the ratio of these components is chosen to  
achieve an optimum in respect of discolouration of the  
packed foodstuff and the shelf life.

28. Packaging as claimed in claim 1,  
characterized in that

40 the packaging is intended for frozen goods, for  
instance ice cream or deep-frozen products, wherein the

protective atmosphere is absent and wherein after removal of the lid the frozen product can be released from the receptacle by pressing the displaceable part inward.